

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/01553

	IPC(7) : H01M 8/02,8/04, 8/10, 4/86				
	US CL: 429/38, 32, 34, 39, 44, 22, 38, 42, 40, 46 According to International Patent Classification (IPC) or to both national classification and IPC				
		TOTAL CIASSIFICATION AND IPC			
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 429/38, 32, 34, 39, 44, 22, 38, 42, 40, 46					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
Y, E	US 6,696,189 B2 (BOSTAPH et al) 24 February 200		11-15		
	1-16				
Y, P	US 6,630,266 B2 (HOCKADAY et al) 07 October 2003, col. 2, lines 35-67 and col. 3,				
	lines 1-11				
		1			
!		l			
		l			
		l			
	· · · · · · · · · · · · · · · · · · ·	1			
•		İ			
,		\			
Further	documents are listed in the continuation of Box C.	See patent family annex.			
		"T" later document published after the inte	rnational filing date or priority		
"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the applic principle or theory underlying the inve	ation but cited to understand the		
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone			
	t which may throw doubts on priority claim(s) or which is cited to		alalmed investigation		
establish specified)	the publication date of another citation or other special reason (as)	"Y" document of particular relevance; the considered to involve an inventive step	when the document is		
"O" document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such being obvious to a person skilled in the	documents, such combination		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent	family		
Date of the a	ctual completion of the international search	Date of mailing of the international search			
26 July 2004 (26.07.2004)		08 NO	V 2004		
		Authorized officer	- /1.		
Mail Stop PCT, Attn: ISA/US		Angelo I Marin //wh//	And Water Mand 11/1/1		
	mmissioner for Patents D. Box 1450	Authorized officer Angela J. Martin			
Alexandria, Virginia 22313-1450		Telephone No. 866-217-9197			
	o. (703) 305-3230				

	PCT/US04/01553
INTERNATIONAL SEARCH REPORT	FC1/U304/01333
INTERNATIONAL SEARCH REPURT	1
Continuation of B. FIELDS SEARCHED Item 3:	
EAST	
search terms: direct methanol fuel cell, methanol concentrations, cartridge	
	_
	•
+	
Form PCT/ISA/210 (second sheet) (July 1998)	